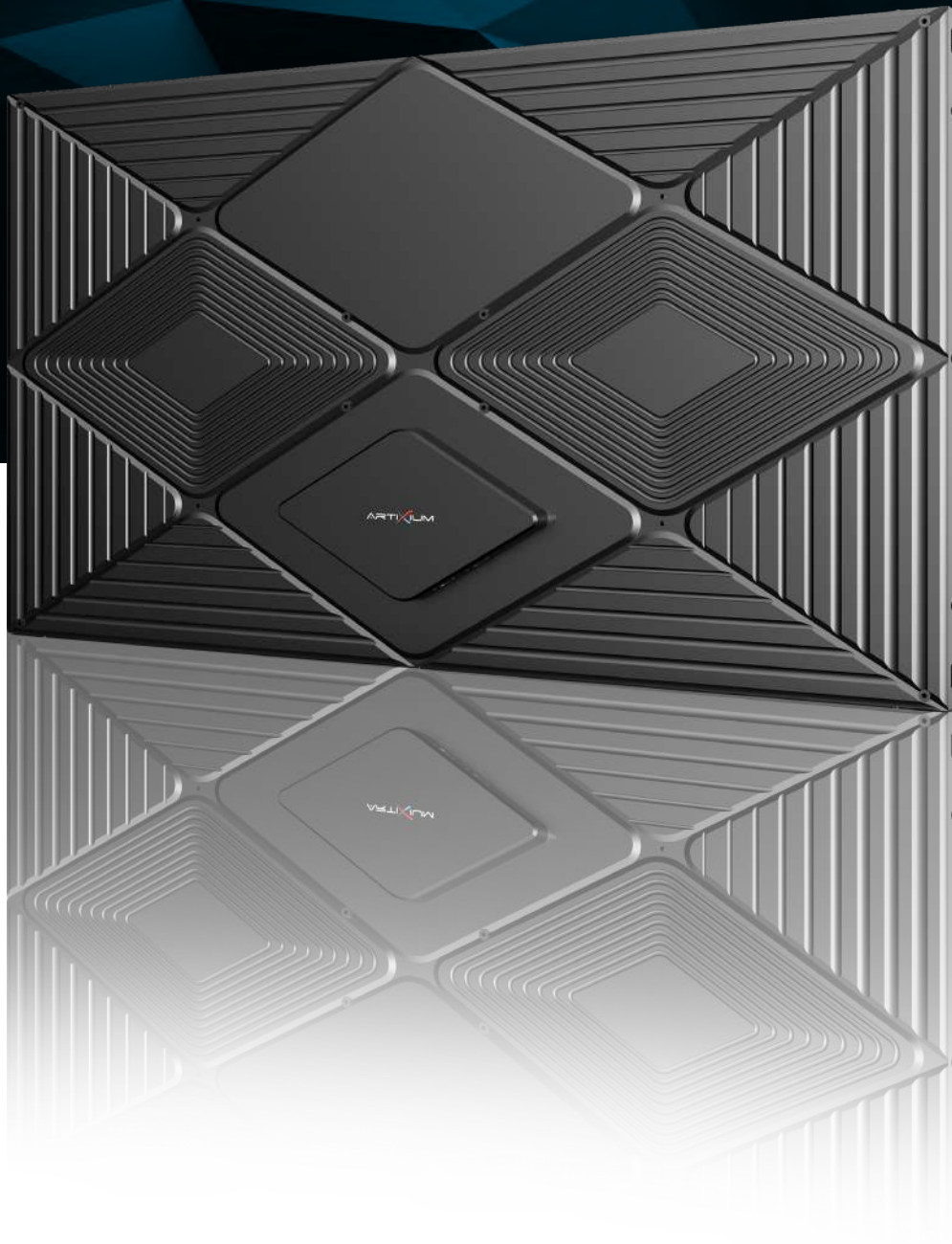




CADMIUM

HDMI ULTRA HD LED CABINET





OVERVIEW

The CADMIUM represents the most recent addition to Artixium's product line of Ultra HD LED cabinets. Characterized by its slim profile, native 16:9 cabinet ratio, fine 1.06 mm to 1.26 mm pixel pitch, and cutting-edge QCOB technology, this product stands as the pinnacle of indoor LED display technology. Notably, it boasts full HDMI cabinet connection capabilities, streamlining the wiring and configuration processes for giant Ultra HD LED displays.



APPLICATION
Indoor



BRIGHTNESS
≤ 1000 NITS @5voltz



INGRESS PROTECTION
IP30



WEIGHT
15.5 - 18.5 kg/cabinet



PIXEL PITCH
P1 P1.2



MATERIAL
Die-casting aluminum



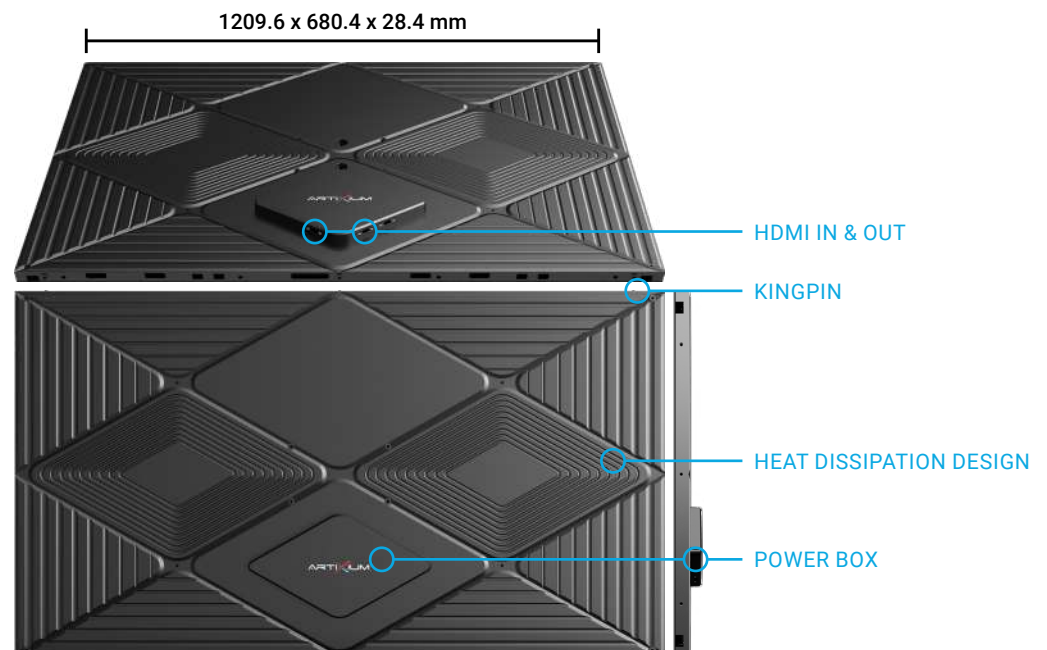
DISPLAY AREA (W x H)
1020 x 573.76 mm (P1 - 46")
1209.6 x 680.4 mm (P1.2 - 55")



MAINTENANCE
Front maintenance



FEATURES





16:9 ULTRA HD RESOLUTION

The CADMIUM features a native 16:9 ratio with a resolution of 960 x 540 pixels per cabinet. This implies that achieving Full HD resolution (1920 x 1080 pixels) requires only four cabinets. Consequently, this exceptional LED cabinet allows for effortless attainment of high definitions, reaching up to 4K and beyond.



43"
46"
54"
55"
60"



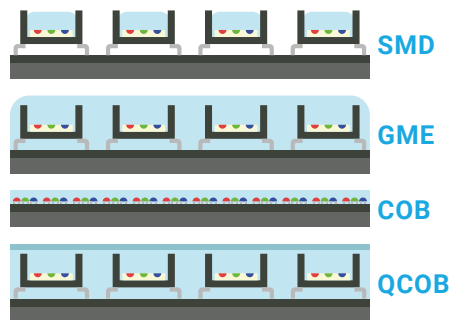
HDMI CONNECTION

The CADMIUM was specifically designed to facilitate full HDMI signal connection among cabinets. This long-awaited feature in the LED display industry enables the connection of four CADMIUM cabinets in series to a single

signal output. For each group of four cabinets, an additional signal output on your media server is required. This configuration allows one output to handle up to 2,073,600 pixels.

QCOB TECHNOLOGY

The QCOB module technology combines the LED configuration of the GME with the epoxy setting of the COB. Through a mass transfer process following the epoxy application, we guarantee the impeccable flatness of each module, ensuring a seamless appearance upon installation. The LED configuration not only keeps the screen cost-effective but also facilitates easier repairs. To enhance brightness, contrast, and resistance, we apply an additional layer of patented epoxy.



FRONT MAINTENANCE

The CADMIUM cabinets offer full and convenient serviceability from the front, facilitated by their magnetic modules. Utilizing a suction cup tool, each module can be effortlessly removed and replaced instantly, without any risk of damage, courtesy of the QCOB technology. To gauge the ease of this process, we conducted tests involving unqualified personnel, and the results were smooth and swift. This implies that your qualified technicians should encounter no issues when undertaking this task.





TECHNICAL SPECIFICATIONS

Product Parameters	Unit	INDOOR	
		1.0	1.2
Pixel Pitch	mm	1,06	1,26
LED		SMD1010 (QCOB modules)	
Application		Ultra HD 16:9 LED cabinet	
Ingress Protection	IP	IP30	
Brightness	cd/m ²	≤ 1000 Nits @5volts	
Color Temperature after calib (adjustable)	deg. K	10000	
Viewing Angle (50% brightness)	deg.	160 H / 160 V	
Cabinet Size (WxHxD)	mm	1020 x 573.76 x 28.8	1209.6 x 680.4 x 28.4
Display area (WxH)	mm	1020 x 573.76 (16:9 - 46")	1209.6 x 680.4 (16:9 - 55")
Module Size (WxHxD)	mm	127.5 x 191.26	302.4 x 170.1
Pixel Matrix Per Cabinet (WxH)	px	960 x 540	960 x 540
Pixel Matrix Per Module (WxH)	px	120 x 180	240 x 135
Pixel Density	px/m ²	885813	629882
Weight of cabinet	kg	15.5	18.5
Cabinet Material		Die-casting aluminum	
Maintenance Mode		Front	
Mask specification		QCOB	
Contrast Ratio		High	
Grey scale (linear)	bit	16	
Brightness control	bit	16	
Processing depth	bit	16	
Color		281 Trillions	
Display Refresh Rate	Hz	3840	
Operation Power	V	AC100-240V	
Max. Power Consumption	W/m ²	500	
Average Power Consumption	W/m ²	120	
Control Mode		Synchronization	
Video Frame Rate	FPS	30-120	
Input Types Supported		HDMI 2K	
3D ready (optional)		Yes	
Calibration		Yes	
Lifetime (50% brightness)	h	50000	
Operating Humidity Range		10-90%	
Operating Temperature Range		-10°C / +45°C	
Screen Uniformity Correction		Yes	
Certification		CE / ETL / CCC	
Available options		-	
Compatibility		No	

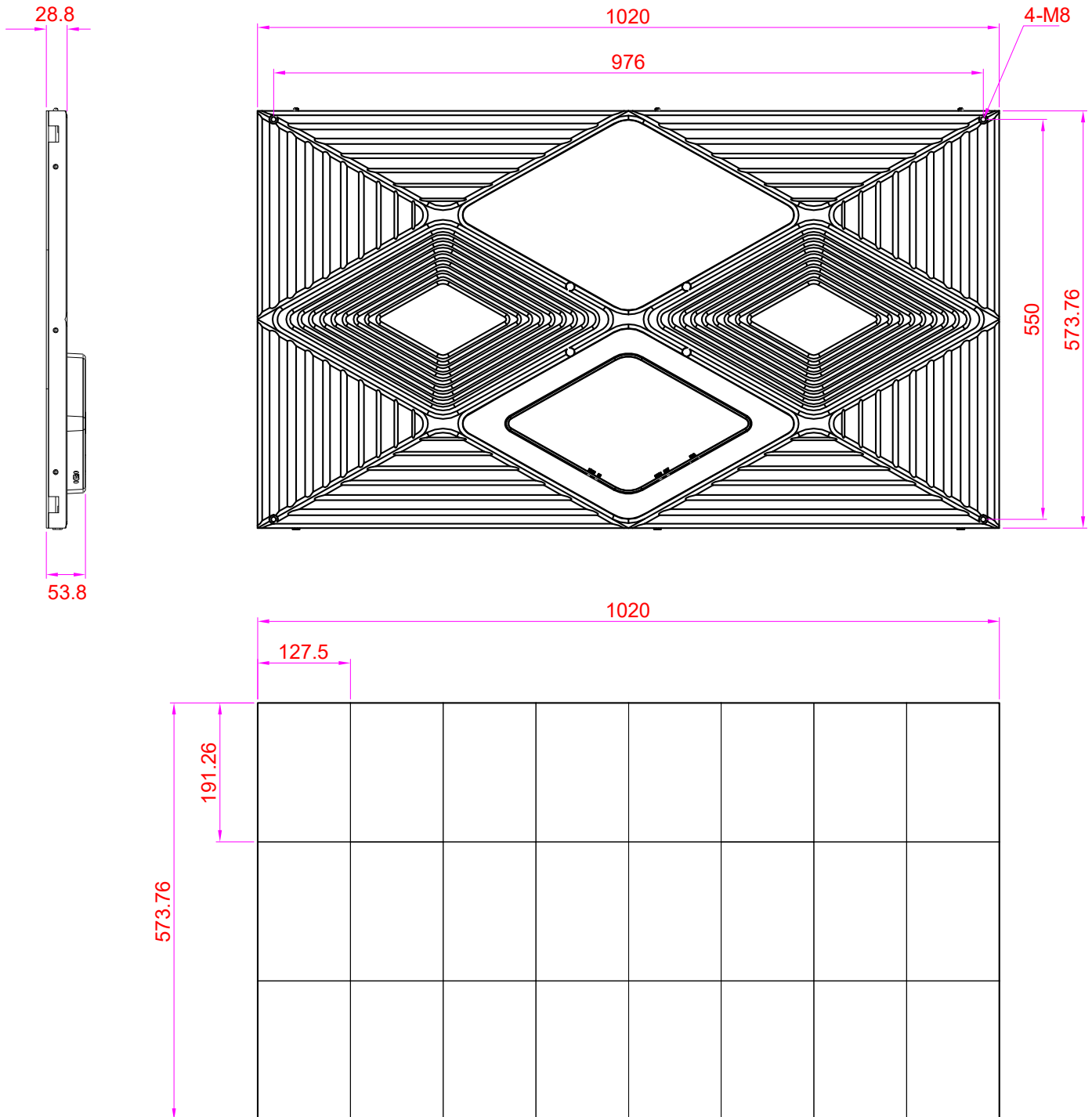


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TECHNICAL DRAWINGS

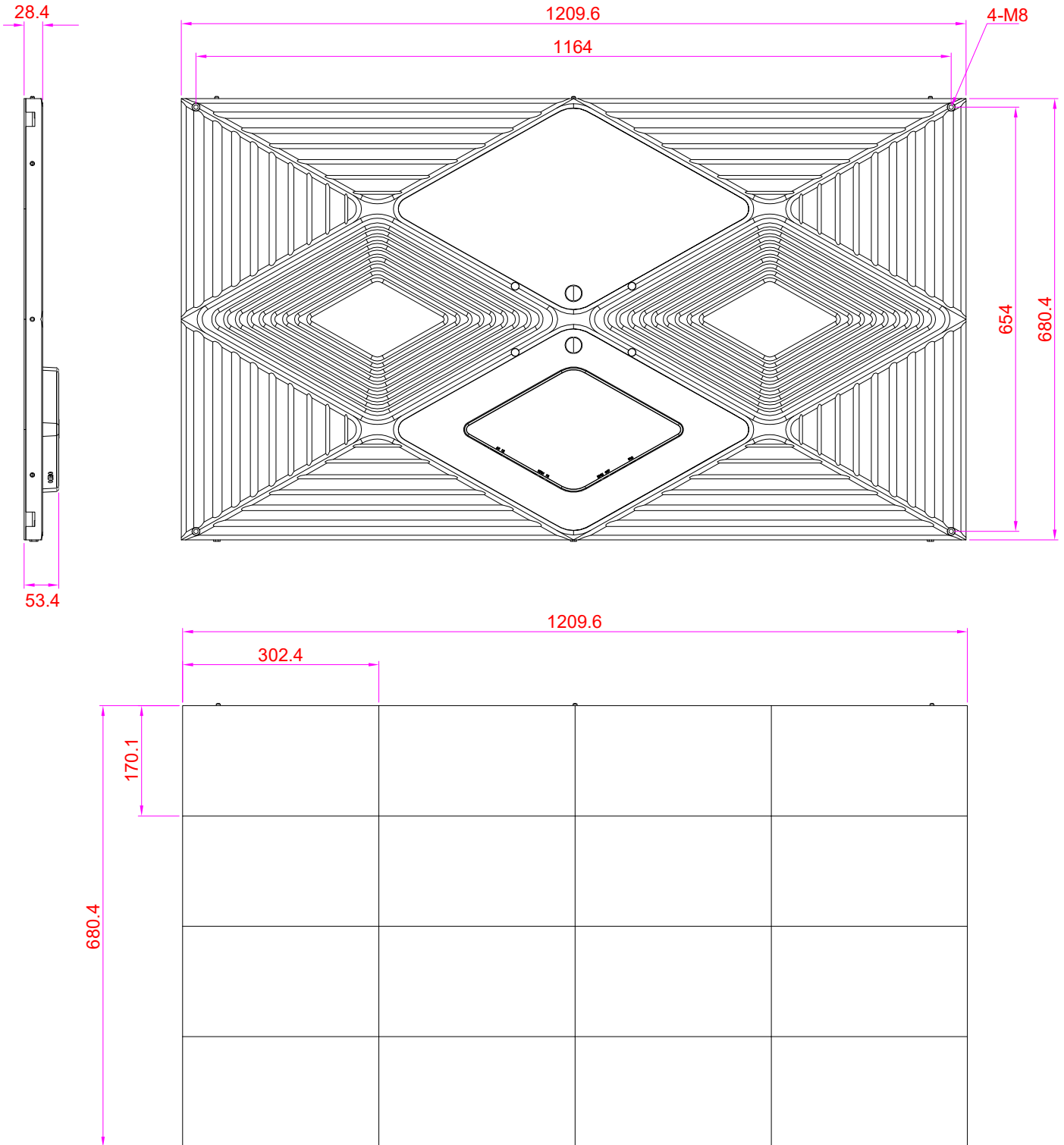
1020 x 573.76 x 28.8 mm P1 cabinet (46")





TECHNICAL DRAWINGS

1209.6 x 680.4 x 28.4 mm P1.2 cabinet (55")





CONTACT

The Artixium regional branches are the key for the growth and development of our global network all over the world. Artixium's team is a spectrum of different nationalities and cultures, reflecting their global presence and mindset, mak-

ing their communication smooth and hassle-free with clients from all around the world. Customer care, Innovation and flexibility has always been our values and we intend to keep this reputation for many years to come.

ARTIXIUM FRANCHISES

"From your project's conception to its completion."



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Since its creation in 2012 by two european entrepreneurs, Artixium has been evolving and always looking for innovative ways to contribute to the digital transition of our world. It only took a few years for Artixium to become a key player in the LED display industry.

www.artixium.com